

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 Entitled : CONTROLLING THE AXIAL POSITION OF A FAN BLADE

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ABSTRACT OF THE DISCLOSURE

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The invention relates to a fan rotor comprising a disk having a rim with a plurality of substantially axial grooves that are regularly spaced apart angularly, a plurality of removable blades extending radially outwards 20 from the periphery of said disk, each blade having a blade root received in a respective groove, a downstream flange plate secured to said disk with the downstream faces of the blade roots being in abutment thereagainst, and a removable upstream flange plate secured to said 25 disk for the purpose of retaining the blade roots in the grooves. In the rotor, the upstream flange plate is fitted on its downstream face with resilient means for exerting sufficient force on the upstream faces of the blade roots, after assembly, to prevent any axial 30 displacement of the blades during normal operation of the engine (apart from exceptional events of the type in which foreign bodies are ingested or blades are lost).